

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

IMAI, et al.

Atty. Dck. No. 107355-00089

Serial No.: Unknown

Examiner: Unknown

Filed: September 25, 2003

Art Unit: Unknown

For: ROTOR ANGLE DETECTING APPARATUS FOR DC BRUSHLESS MOTOR

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Date: September 25, 2003

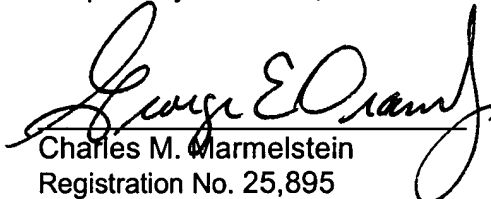
Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information items listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the items be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

- ☐ c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).
- ☒ 4. An English-language Abstract of the non-English language references are attached hereto.

Respectfully submitted,

  
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| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>107355-00089  | SERIAL NO.<br>Unknown |
| LIST OF REFERENCES CITED BY APPLICANT<br><br>(Use several sheets if necessary) |  | APPLICANT<br>IMAI, et al.         |                       |
|  |  | FILING DATE<br>September 25, 2003 | GROUP<br>Unknown      |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE             | NAME         | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|---------------------|----|-----------------|------------------|--------------|-------|---------------|----------------|
|                     | AA | 2002/0149335 A1 | October 17, 2002 | IMAI, et al. |       |               | Feb. 15, 2002  |
|                     | AB |                 |                  |              |       |               |                |
|                     | AC |                 |                  |              |       |               |                |
|                     | AD |                 |                  |              |       |               |                |
|                     | AE |                 |                  |              |       |               |                |
|                     | AF |                 |                  |              |       |               |                |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NO. | DATE              | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>YES NO PART. |  |   |
|--|----|-----------------|-------------------|---------|-------|---------------|-----------------------------|--|---|
|  | AG | 10-323099       | December 4, 1998  | Japan   |       |               |                             |  | X |
|  | AH | 11-332279       | November 30, 1999 | Japan   |       |               |                             |  | X |
|  | AI |                 |                   |         |       |               |                             |  |   |
|  | AJ |                 |                   |         |       |               |                             |  |   |
|  | AK |                 |                   |         |       |               |                             |  |   |
|  | AL |                 |                   |         |       |               |                             |  |   |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |
|--|----|--|
|  | AM |  |
|  | AN |  |
|  | AO |  |

|  |                 |
|--|-----------------|
| EXAMINER   | DATE CONSIDERED |
| <p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> |                 |